

Abstract

A nonhalogenated flame resistant cable that has excellent flexibility and abrasion resistance, exhibiting fusion bonding capability to mold materials, such as PBT and nylon, and excellent flame resistance, preferably having striking wear and abrasion resistance. In particular, there is provided a nonhalogenated flame resistant cable characterized in that it includes an insulating wire, an inner sheath and an outer sheath, the inner sheath comprised of a polyolefin resin or a resin composition composed mainly of the resin, the outer sheath comprised of a product of crosslinking of a mixture of thermoplastic polyurethane elastomer and thermoplastic polyester elastomer or a resin composition composed mainly of the mixture, the outer sheath containing at least one flame retardant selected from among metal hydroxides and nitrogenous flame retardants in an amount of 3 to 35 parts by weight per 100 parts by weight of the crosslinking product of resin composition. Further, there is preferably provided a nonhalogenated flame resistant cable wherein the inner sheath contains a specified flame retardant in an amount of specified range.